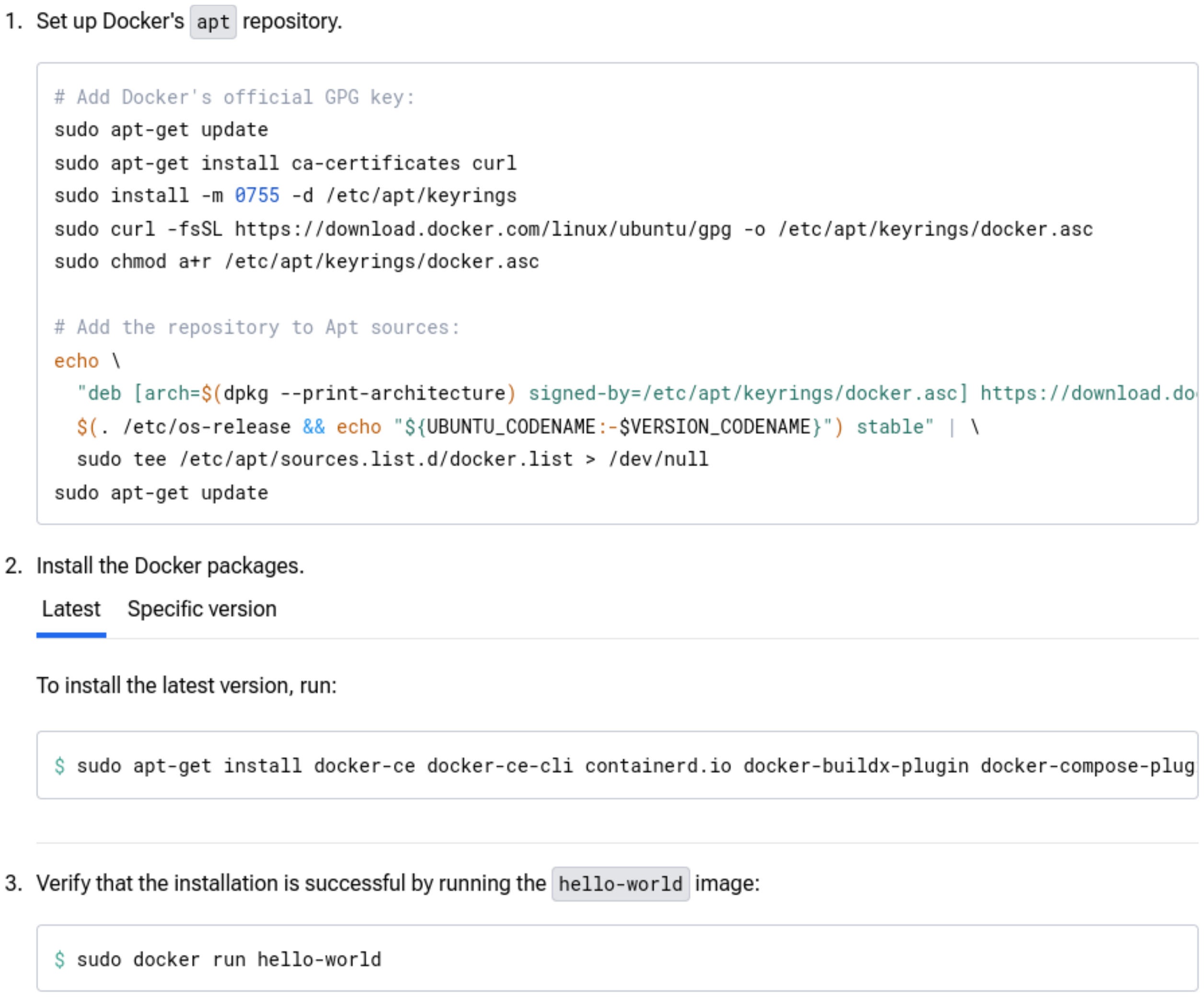
GUÍA INSTALACIÓN DOCKER LINUX UBUNTU

1 INSTALACIÓN CLIENTE DOCKER

https://docs.docker.com/engine/install/ubuntu/



1. Set up Docker's `apt` repository.

```
# Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.do
  $(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
```

2. Install the Docker packages.

Latest Specific version

To install the latest version, run:

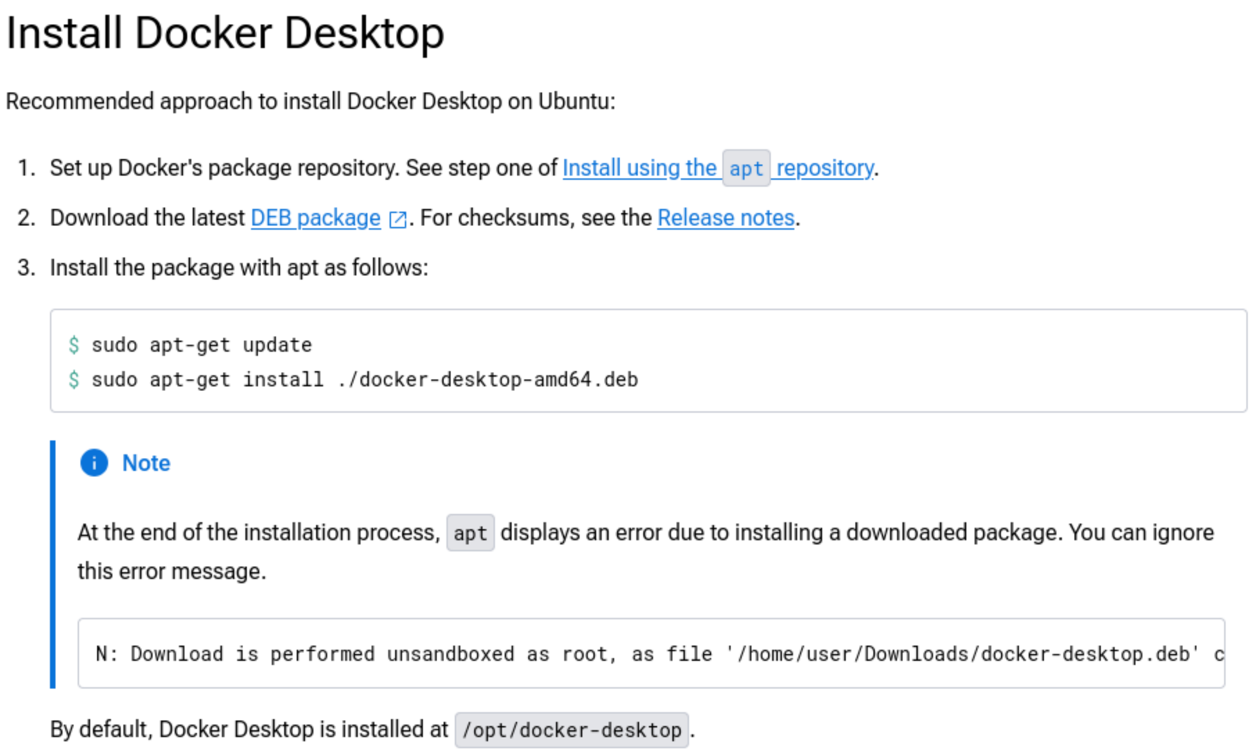
```
$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plug
```

3. Verify that the installation is successful by running the `hello-world` image:

```
$ sudo docker run hello-world
```

2 descargamos desktop deb

https://docs.docker.com/desktop/setup/install/linux/ubuntu/



Install Docker Desktop

Recommended approach to install Docker Desktop on Ubuntu:

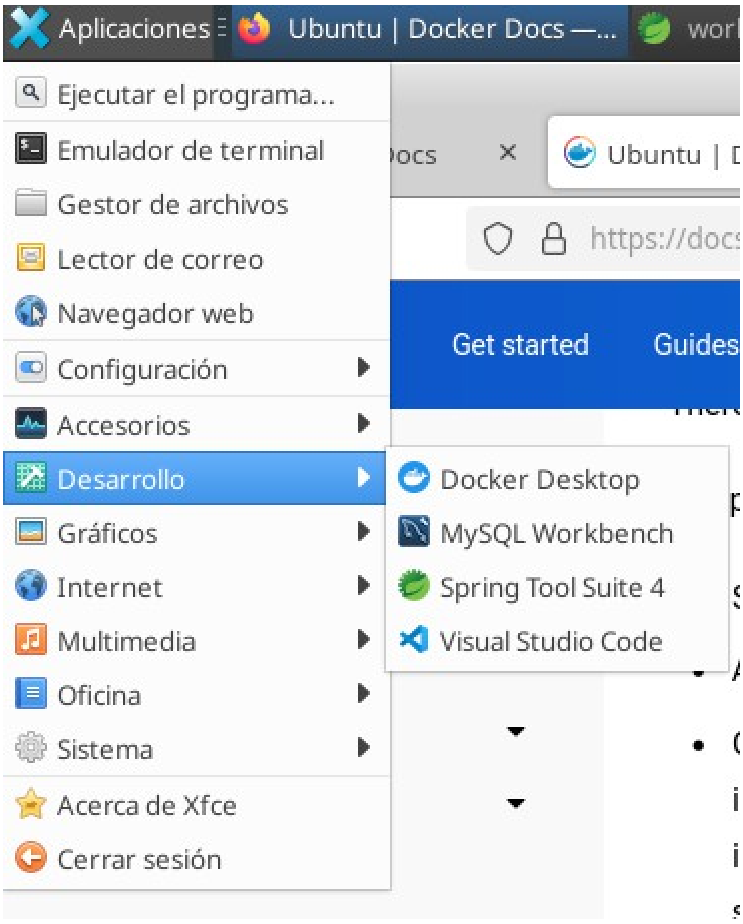
1. Set up Docker's package repository. See step one of Install using the `apt` repository.
2. Download the latest DEB package. For checksums, see the Release notes.
3. Install the package with apt as follows:

```
$ sudo apt-get update
$ sudo apt-get install ./docker-desktop-amd64.deb
```

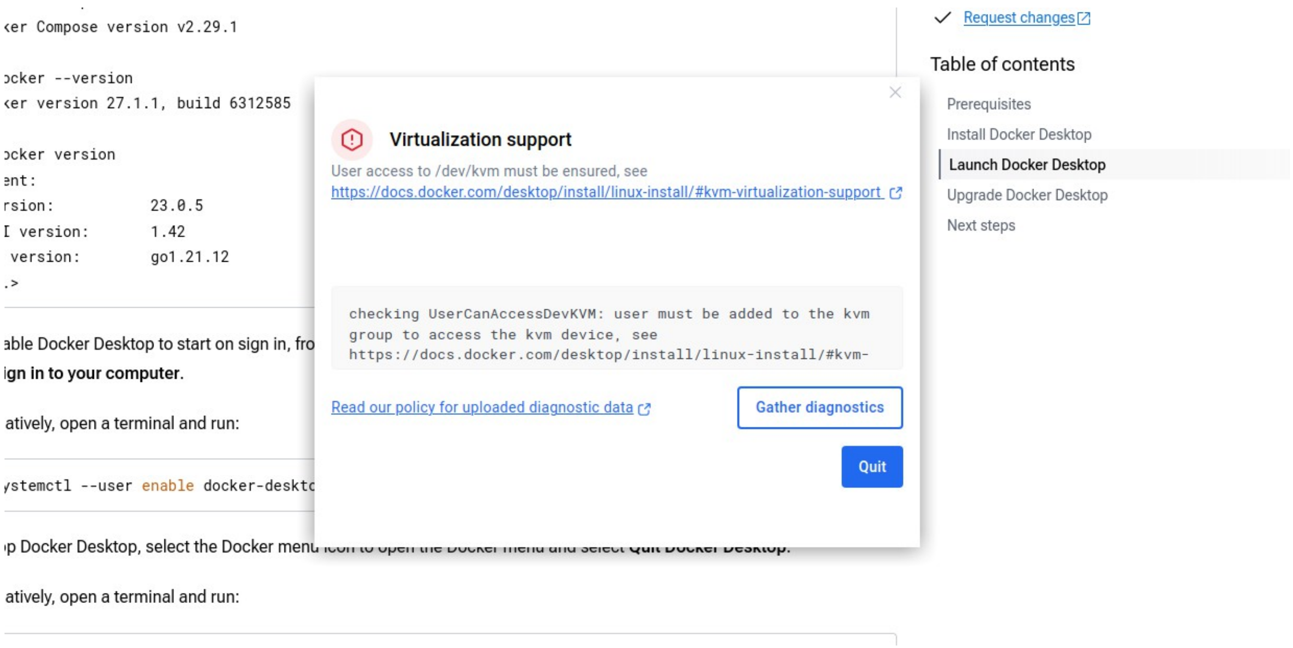
> **Note**
>
> At the end of the installation process, `apt` displays an error due to installing a downloaded package. You can ignore this error message.
>
> ```
> N: Download is performed unsandboxed as root, as file '/home/user/Downloads/docker-desktop.deb' c
> ```

By default, Docker Desktop is installed at `/opt/docker-desktop`.

al finalizar este paso, debemos tener acceso al icono en el escritorio



3 al lanzar el cliente desktop aviso de virtualización



```
ker Compose version v2.29.1

ocker --version
ker version 27.1.1, build 6312585

ocker version
ent:
rsion:          23.0.5
I version:      1.42
 version:       go1.21.12
.>
```

able Docker Desktop to start on sign in, fro

ign in to your computer.

atively, open a terminal and run:

```
ystemctl --user enable docker-deskto
```

p Docker Desktop, select the Docker menu icon to open the Docker menu and select **Quit Docker Desktop**.

atively, open a terminal and run:

Virtualization support

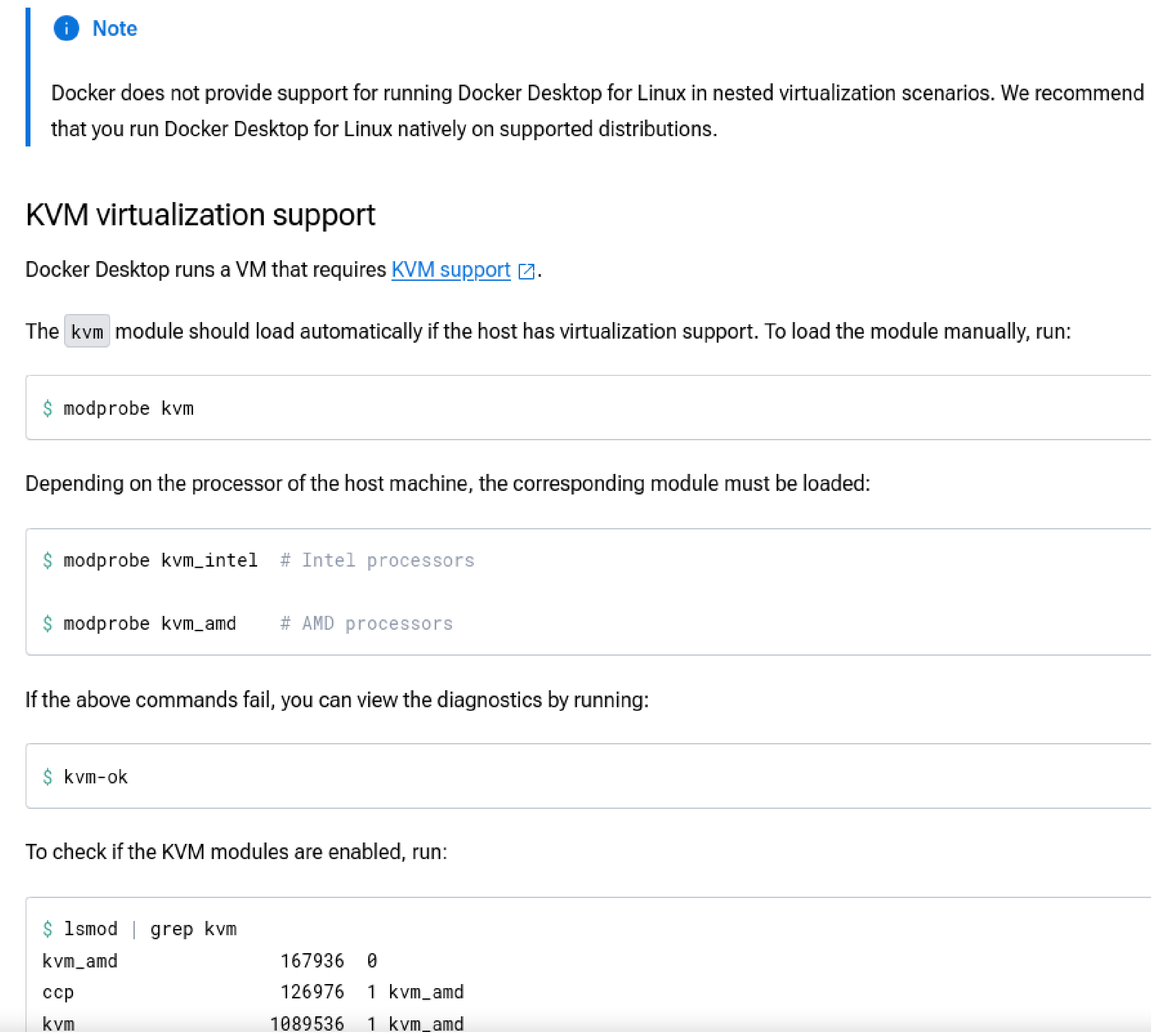
User access to /dev/kvm must be ensured, see
https://docs.docker.com/desktop/install/linux-install/#kvm-virtualization-support

```
checking UserCanAccessDevKVM: user must be added to the kvm
group to access the kvm device, see
https://docs.docker.com/desktop/install/linux-install/#kvm-
```

Read our policy for uploaded diagnostic data

visitamos la página

y seguimos las instrucciones



Note

Docker does not provide support for running Docker Desktop for Linux in nested virtualization scenarios. We recommend that you run Docker Desktop for Linux natively on supported distributions.

KVM virtualization support

Docker Desktop runs a VM that requires KVM support.

The `kvm` module should load automatically if the host has virtualization support. To load the module manually, run:

```
$ modprobe kvm
```

Depending on the processor of the host machine, the corresponding module must be loaded:

```
$ modprobe kvm_intel  # Intel processors

$ modprobe kvm_amd    # AMD processors
```

If the above commands fail, you can view the diagnostics by running:

```
$ kvm-ok
```

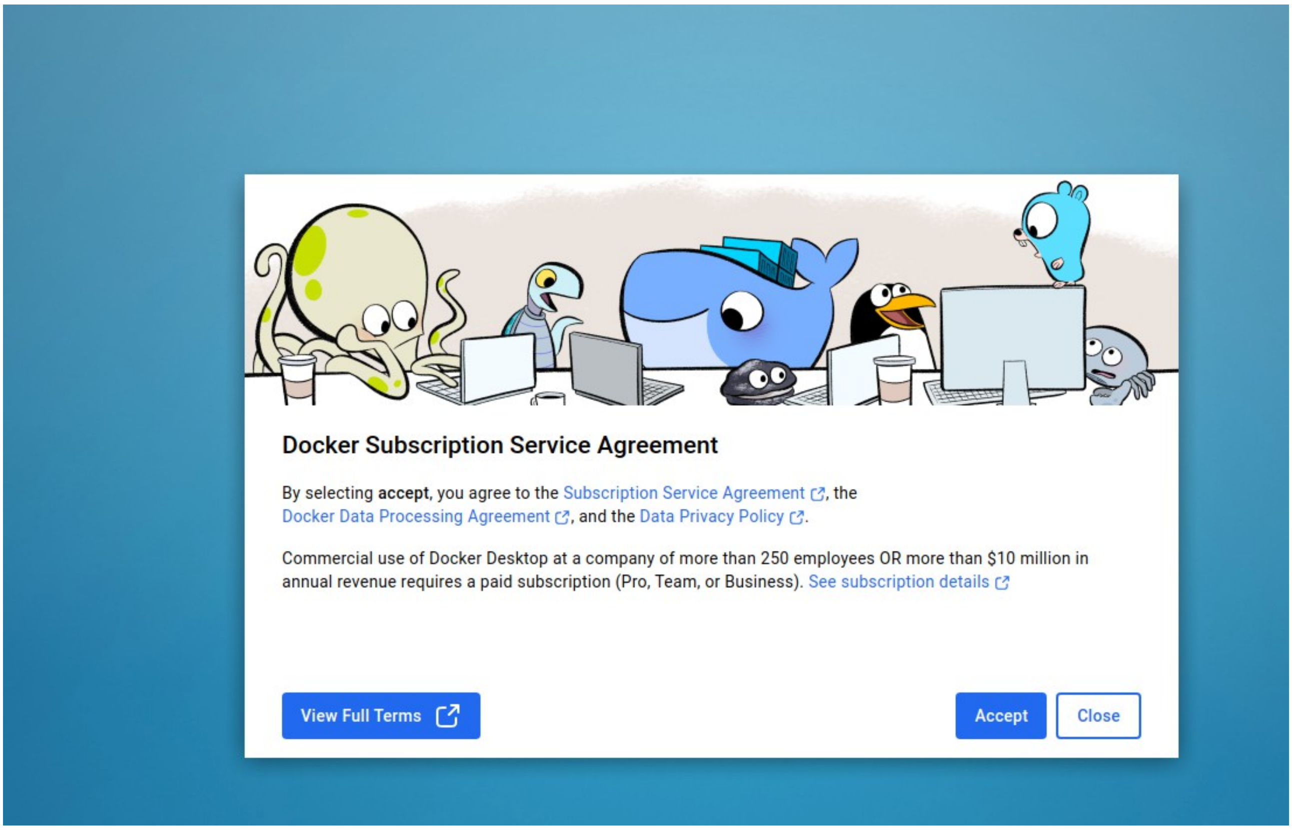
To check if the KVM modules are enabled, run:

```
$ lsmod | grep kvm
kvm_amd               167936  0
ccp                   126976  1 kvm_amd
kvm                  1089536  1 kvm_amd
```

por útlimo, hacemos reinicio

sudo reboot

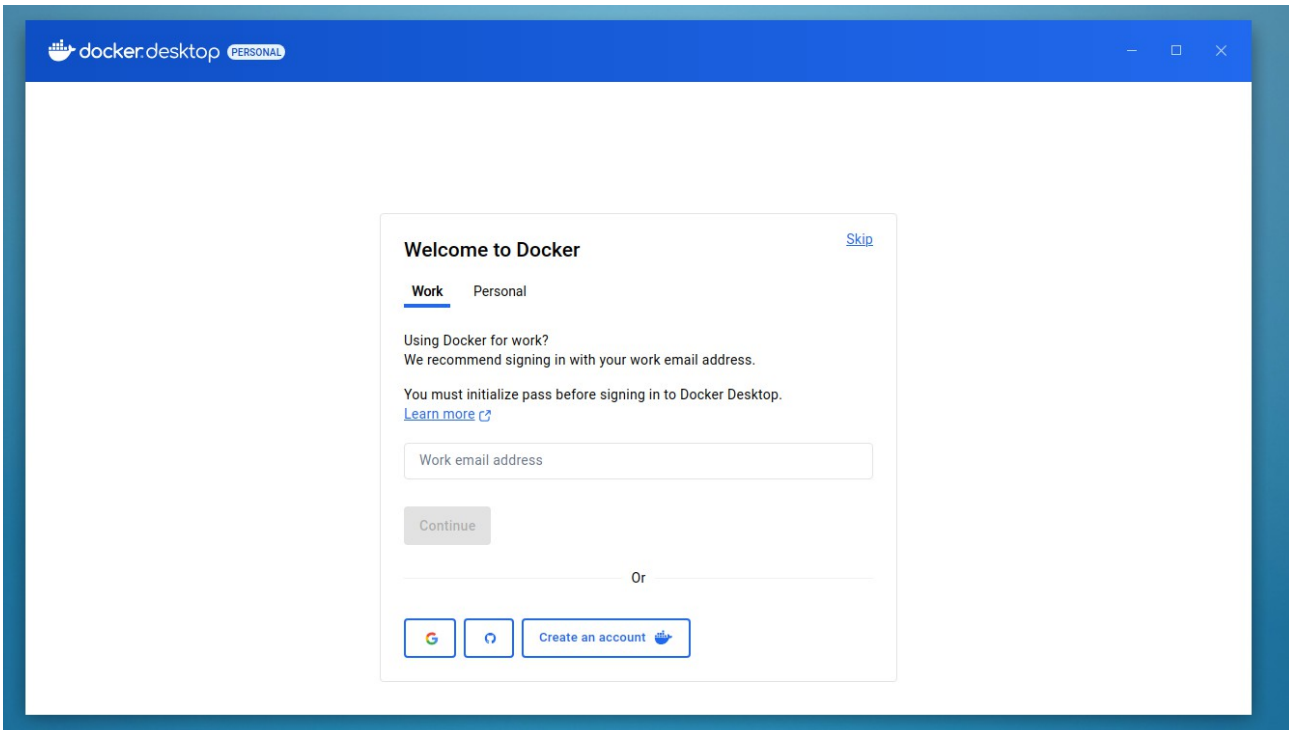
4 por último, realizmos el registro para la autenticación



Docker Subscription Service Agreement

By selecting **accept**, you agree to the Subscription Service Agreement, the Docker Data Processing Agreement, and the Data Privacy Policy.

Commercial use of Docker Desktop at a company of more than 250 employees OR more than $10 million in annual revenue requires a paid subscription (Pro, Team, or Business). See subscription details



Welcome to Docker

Using Docker for work?
We recommend signing in with your work email address.

You must initialize pass before signing in to Docker Desktop.
Learn more

antes de crear la cuenta, visitamos las instrucciones de inicialización pass

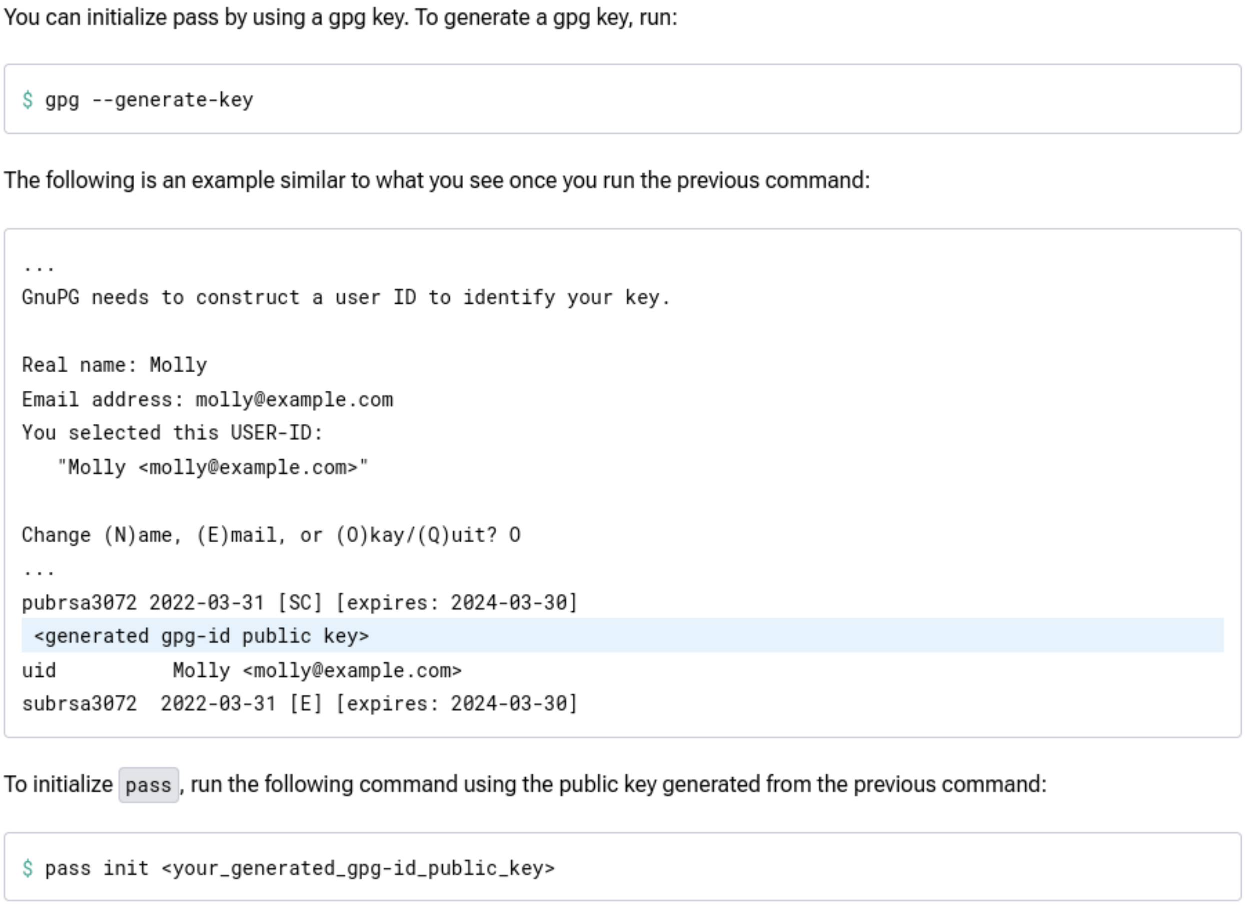
https://docs.docker.com/desktop/setup/sign-in/#credentials-management-for-linux-users

ejecutamos este comando

gpg –generate-key

y no generamos contraseñ para el fichero de claves ni para la clave
(le damos a intro y saltamos)

Introducimos un correo, que será nuestro Docker ID



You can initialize pass by using a gpg key. To generate a gpg key, run:

```
$ gpg --generate-key
```

The following is an example similar to what you see once you run the previous command:

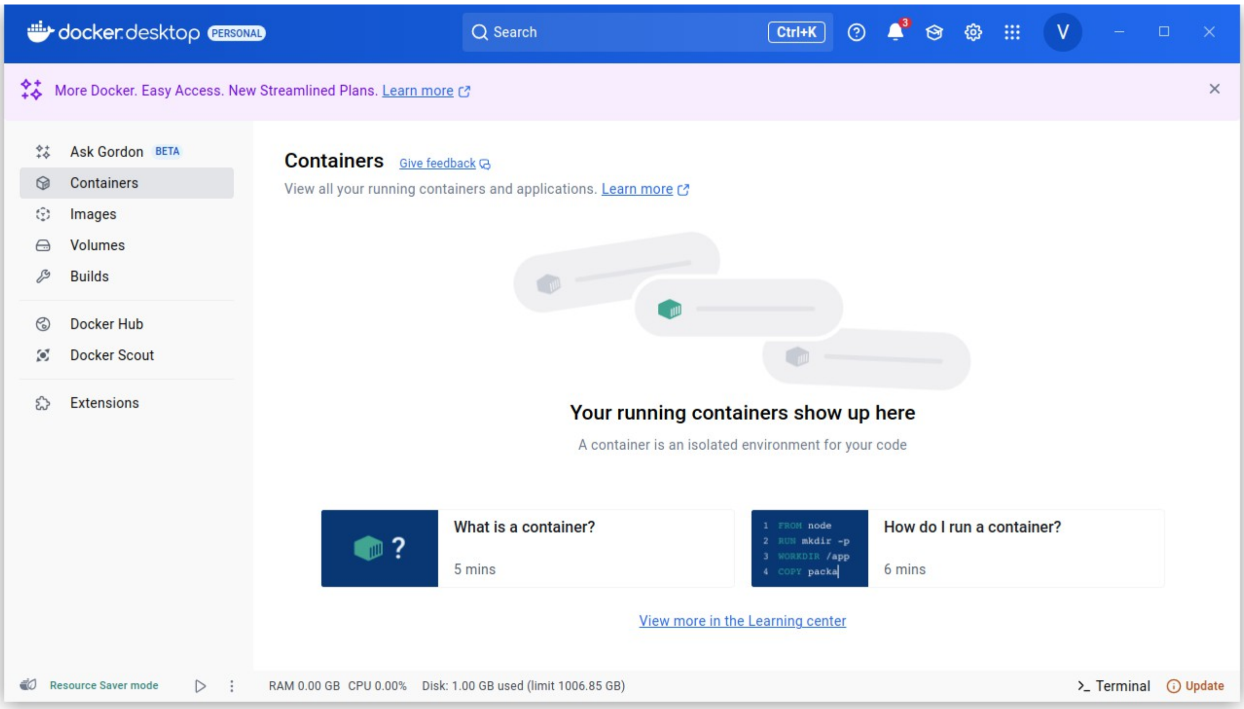
```
...
GnuPG needs to construct a user ID to identify your key.

Real name: Molly
Email address: molly@example.com
You selected this USER-ID:
   "Molly <molly@example.com>"

Change (N)ame, (E)mail, or (O)kay/(Q)uit? O
...
pubrsa3072 2022-03-31 [SC] [expires: 2024-03-30]
 <generated gpg-id public key>
uid          Molly <molly@example.com>
subrsa3072  2022-03-31 [E] [expires: 2024-03-30]
```

To initialize `pass`, run the following command using the public key generated from the previous command:

```
$ pass init <your_generated_gpg-id_public_key>
```

volvemos la ventana de bienvenida y completamos el proceso de registro como en una web normal

completo el proceso de registro con el id elegido
y se abre la ventana de Docker Desktop autenticado



Containers Give feedback

View all your running containers and applications. Learn more

Your running containers show up here

A container is an isolated environment for your code

What is a container?

5 mins

```
FROM node
RUN mkdir -p
WORKDIR /app
COPY packa
```

How do I run a container?

6 mins

View more in the Learning center

RAM 0.00 GB CPU 0.00% Disk: 1.00 GB used (limit 1006.85 GB)